

	Υ,)
	_	÷
•	<u>ر</u>	ננ
L	1	_

THROMBIN 1/80	+	_	-	-	•	1	STRENGTH
	‡	++	+	+	1	•	CONSISTENCY
THROMBIN TH	15	20	20	20	30	30	POLYMERIZATION TIME (SEC)
	#	+	+	+		•	STRENGTH
	\$	+	+	+	•	•	CONSISTENCY
THROMBIN TH	00	15	15	51	20	30	POLYMERIZATION TIME (SEC)
	\$	\$	+	+	-	•	STRENGTH
	***	\$	‡	+	,	ı	CONSISTENCY
THROMBIN TH	4	Ŝ	5	5	20	30	POLYMERIZATION TIME (SEC)
	1	*	\$	+	+	•	STRENGTH
	\$\$\$¢	\$	8	‡	+	-	CONSISTENCY
THROMBIN TH	2	5	5	5	20	30	POLYMERIZATION TIME (SEC)
	O.	‡	\$	\$	+		STRENGTH
	0.000	(1) (1) (1)	\$	\$	++	+	CONSISTENCY
THROMBIN TH	3	œ	ଚ	Ŝ	20	30	POLYMERIZATION TIME (SEC)
	\$4\$¢	\$	3	#	+	•	STRENGTH
	\$4\$¢	党 书	\$	\$	‡	+	CONSISTENCY
	2	i.	2	8	01	30	POLYMERIZATION TIME (SEC)
	FIBRINOGEN 1/4	FIBRINOGEN 1/8	FIBRINOGEN 1/10	FIBRINOGEN 1/20	FIBRINOGEN 1/40	FIBRINOGEN 1/80	

COMPARISON OF GROWTH FACTOR RELEASED FROM SPRAYED VERSUS NON-SPRAYED CELLS

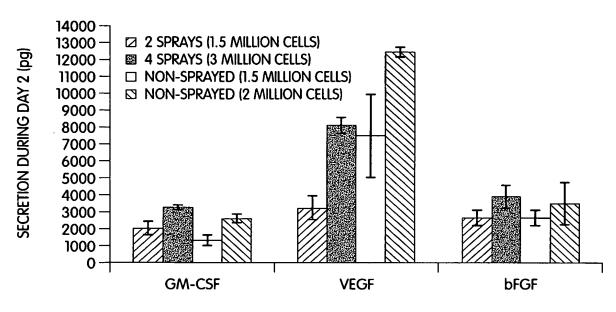


Fig. 4



PCT/US2003/027888

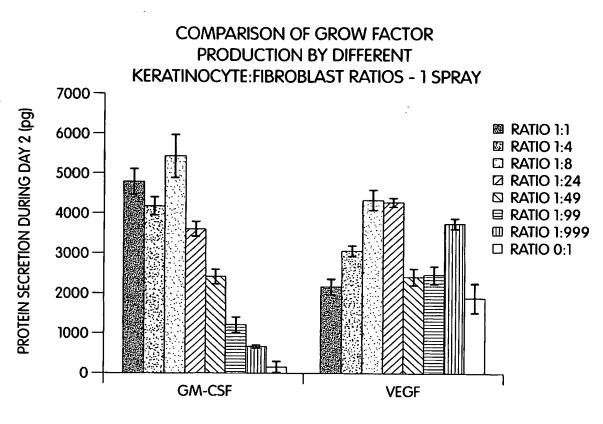


Fig. 5A

COMPARISON OF GROWTH FACTOR PRODUCTION BY DIFFERENT KERATINOCYTE: FIBROBLAST RATIOS - 2 SPRAYS

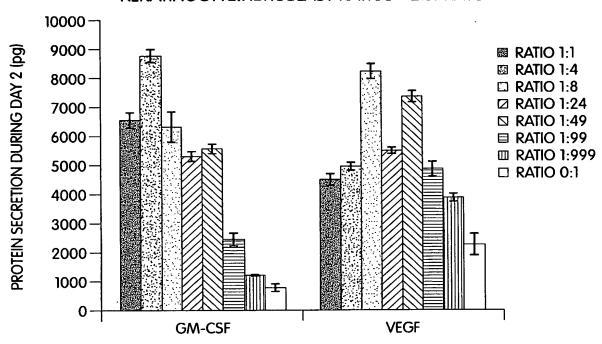


Fig. 5B

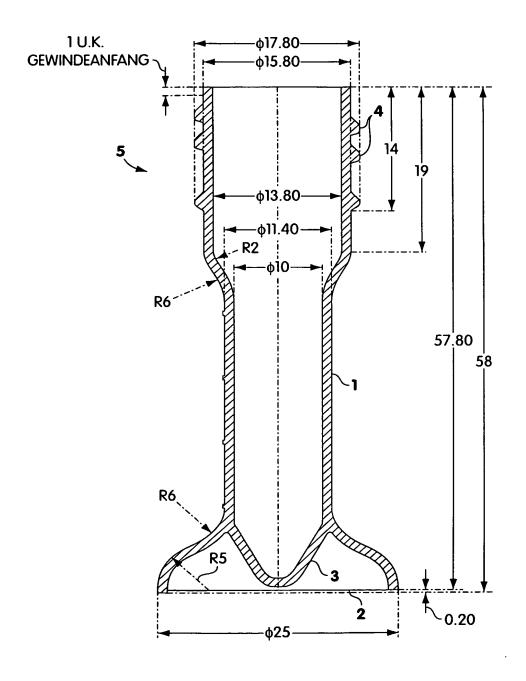


Fig. 6A

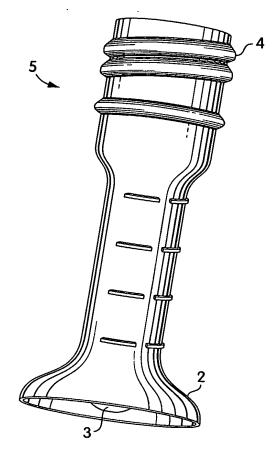
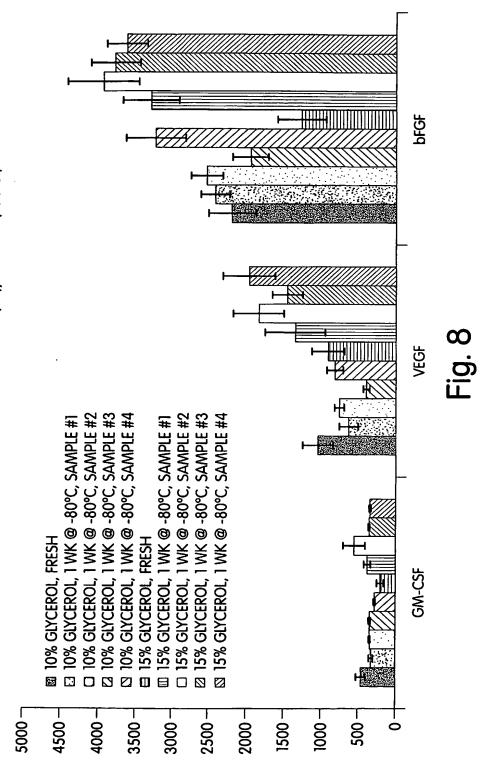


Fig. 6B

10% GLYCEROL - KERATINOCYTE:FIBROBLAST RATIO (1:1), 10 MILLION CELLS/ml, COMPARISON OF STORAGE AT -160°C VERSUS -80°C DURING 1 WEEK **bFGF** 1 SPRAY (130 ul), 24 WELL Ë G VEGF I WK @ -160°C, SAMPLE #2 I WK @ -80°C, SAMPLE #3 WK @ -80°C, SAMPLE #2 10% GLYCEROL, 1 WK @ -80°C, SAMPLE #4 WK @ -80°C, SAMPLE #1 10% GLYCEROL, 1 WK @ -160°, SAMPLE #1 ■ 10% GLYCEROL, FRESH GM-CSF 10% GLYCEROL, 1 10% GLYCEROL, 1 10% GLYCEROL, 1 \square ر 0009 1000 0 5000 4000 3000 2000· SECRETION DURING DAY 2 (pg)

COMPARISON OF SECRETION AFTER 1 WEEK STORAGE AT -80°C 10% GLYCEROL VERSUS 15% GLYCEROL; 10 MILLION CELLS/ml KERATINOCYTE:FIBROBLAST RATIO (1:1), 1 SPRAY (130 ul)

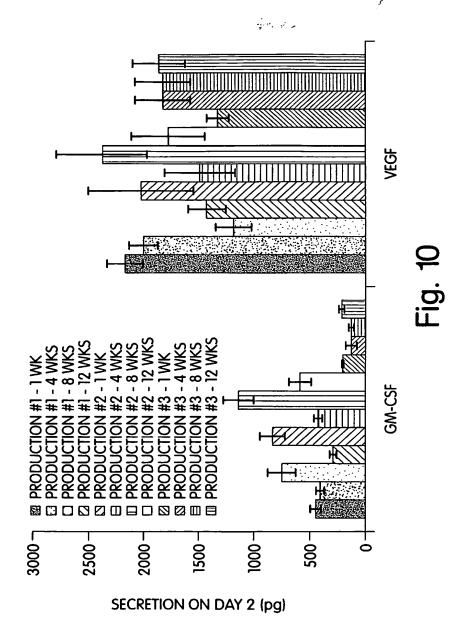


SECRETION DURING DAY 2 (pg)

CRYOPRESERVATION AND 1 WEEK STORAGE OF CELL PREPARATIONS AT -80°C 15% GLYCEROL VS. 15% GLYCEROL + 5% HSA (GRIFFOLS) VEGF 10 MILLION CELLS/ml, RATIO K:F (1:3), 130 ul, 1 SPRAY Fig. 9 ☐ 15% GLYCEROL, -80°C, 1 WK, #1
☐ 15% GLYCEROL, -80°C, 1 WK, #2
☑ 15% GLYCEROL, -80°C, 1 WK, #3
☑ 15% GLYCEROL + %5 HSA, FRESH
☐ 15% GLYCEROL + %5 HSA, -80°C, 1 WK, #1
☐ 15% GLYCEROL + %5 HSA, -80°C, 1 WK, #2
☐ 15% GLYCEROL + %5 HSA, -80°C, 1 WK, #3 GM-CSF 図 15% GLYCEROL, FRESH 4500 기 4000 3500 -2500 \dashv 2000 1500-1000 **200**-70 3000 -

SECRETION DURING DAY 2 (pg)

EFFECT OF LONG-TERM STORAGE AT -80°C ON GROWTH FACTOR SECRETION FROM KERATINOCYTES AND FIBROBLASTS IN A FIBRIN MATRIX



PCT/US2003/027888

FOR 1 WEEK AT -80°C; RATIOS OF KERATINOCYTES:FIBROBLASTS (1:0, 1:1, AND 1:9) SECRETION BY THAWED CELL PREPARATIONS THAT WERE FROZEN AND STORED AT 5, 10 AND 20 MILLION CELLS/ml, 1 SPRAY (130 ul), 24 WELLS (n=15)

